

CLAIMS

1. A method for managing configuration data, the method comprising the steps of:

storing a plurality of configuration values in a hierarchical tree having a plurality of nodes, a defined structure, and defined data types for the stored configuration values, wherein each node is associated with at least one configuration value;

registering at least one application component with at least one of the nodes of the tree, based on at least one query received from the at least one application component; and

notifying the at least one application component when a configuration value associated with the at least one node is modified, based on an addition or change in at least one configuration value that matches the at least one query.

2. The method of claim 1, wherein the at least one query depends on at least one of a location of a configuration value in the tree and a data type of a configuration value.

3. The method of claim 1, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored.

4. The method of claim 1, wherein the at least one application component comprises a plurality of components of an email application.

5. The method of claim 1, wherein a node further includes a reference to at least one node.

6. The method of claim 1, wherein the notifying step comprises:
modifying at least one configuration value;
storing in the hierarchical tree the configuration value that was modified;
and
notifying the at least one application component that the configuration value was modified.
7. The method of claim 6, further comprising the step of supplying the configuration value that was modified to the at least one application component.
8. The method of claim 1, further comprising the step of supplying at least one of the configuration values stored in the hierarchical tree to the at least one application component.

9. A computer program product for managing configuration data, the computer program product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for performing a method comprising the steps of:

storing a plurality of configuration values in a hierarchical tree having a plurality of nodes, a defined structure, and defined data types for the stored configuration values, wherein each node is associated with at least one configuration value;

registering at least one application component with at least one of the nodes of the tree, based on at least one query received from the at least one application component; and

notifying the at least one application component when a configuration value associated with the at least one of the plurality of nodes is modified, based on an addition or change in at least one configuration value that matches the at least one query.

10. The computer program product of claim 9, wherein the at least one query depends on at least one of a location of a configuration value in the tree and a data type of a configuration value.

11. The computer program product of claim 9, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored.

12. The computer program product of claim 9, wherein the at least one application component comprises a plurality of components of an email application.

13. The computer program product of claim 9, wherein a node further includes a reference to at least one node.

14. The computer program product of claim 9, wherein the notifying step comprises:

modifying at least one configuration value;

storing in the hierarchical tree the configuration value that was modified;

and

notifying the at least one application component that the configuration value was modified.

15. The computer program product of claim 14, wherein the method further comprises the step of supplying the configuration value that was modified to the at least one application component.

16. The computer program product of claim 9, wherein the method further comprises the step of supplying at least one of the configuration values stored in the hierarchical tree to the at least one application component.

17. A computer system for managing configuration data, the computer system comprising:

an organization module organizing a plurality of configuration values into a hierarchical tree having a plurality of nodes, a defined structure, and defined data types for the stored configuration values, wherein each node is associated with at least one configuration value;

storage storing the plurality of configuration values in the hierarchical tree;

a registration module registering at least one application component with at least one of the nodes of the tree, based on at least one query received from the at least one application component; and

a notification module notifying the at least one application component when a configuration value associated with the at least one node is modified, based on an addition or change in at least one configuration value that matches the at least one query.

18. The computer system of claim 17, wherein the at least one query depends on at least one of a location of a configuration value in the tree and a data type of a configuration value.

19. The computer system of claim 17, wherein the hierarchical tree is an Extensible Markup Language (XML) tree, and an XML schema describes the structure of the XML tree and the data types that are stored.

20. The computer system of claim 17, wherein the at least one application component comprises a plurality of components of an email application.